UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO.

: 7,015,497 B1

Page 1 of 3

APPLICATION NO.: 10/649046 DATED

: March 21, 2006

INVENTOR(S)

: Berger

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page Column 2 Line 11

In section (56), References Cited, OTHER PUBLICATIONS, please delete "Amlani, I. et al., Demonstration of a six-dot quantum cellular automata system, Applied Physics Letterws, 72 pp. 2179-2181 (1998)." and insert -- Amlani, I. et al., Demonstration of a six-dot quantum cellular automata system, Applied Physics Letters, 72, pp. 2179-2181 (1998). --.

Title Page pg 2 Col. 1 line 20

In section (56), References Cited, OTHER PUBLICATIONS, please delete "Feldheim, D.L. et al., Self-assembley of single electron transistors and related devicces, Chemical Society Reviews, 27, pp. 1-12 (1998)." and insert -- Feldheim, D.L. et al., Self-assembly of single electron transistors and related devices, Chemical Society Reviews, 27, pp. 1-12 (1998). --.

Title Page (col 2) pg 2, line 39

In section (56), References Cited, OTHER PUBLICATIONS, please delete "Schittenhelm. P. et al., Photluminescence study of the crossover from two-dimensional to three-dimensional growth for Ge on Si(100), Appl. Phys. Lett., 67, pp. 1292-1294 (1995)." and insert -- Schittenhelm, P. et al., Photoluminescence study of the crossover from two-dimensional to three-dimensional growth for Ge on Si(100), Appl. Phys. Lett., 67, pp. 1292-1294 (1995).

Title Page Page 3 (col. 2) line 23

In section (56), References Cited, OTHER PUBLICATIONS, please delete "Wang, X. et al., Germanium dots with highly uniform size distribution grown on Si(100) substrate bymolecular beam epitaxy, Appl. Phys. Lett., 71, pp. 3543-3545 (1997)." and insert -- Wang, X. et al., Germanium dots with highly uniform size distribution grown on Si (100) substrate by molecular beam epitaxy, Appl. Phys. Lett., 71, pp. 3543-3545 (1997). --

Title Page (3) Column 2 line 24

In section (56), References Cited, OTHER PUBLICATIONS, please delete "Yoshikawa, N. et al., Complementary Digital Logic using Resistively Coupled Single-Electron Transistor, jJpn. J. Appl. Phys., 35, pp. 1140-1145 (1996)," and insert -- Yoshikawa, N. et al., Complementary Digital Logic Using Resistively Coupled Single-Electron Transistor, Jpn. J. Appl. Phys., 35, pp. 1140-1145 (1996). --

In section (57), last sentence of Abstract, please delete "said" and insert -- and --.

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In column 1, line 56, please delete "tow" and insert -- two --

In column 2, line 61, please delete "material and" and insrt -- material; and --.

In column 3, line 1, please delete "materials" and insert -- material --.

In column 4, lines 38-39, please delete "500 nanometers" and insert -- 50 nanometers --.

In column 4, line 60, please delete "so" and insert -- to --.

In column 5, line 21, please delete "not" and insert -- no --.

In column 5, line 27, please delete "structures, the" and insert -- structures, that the --.

In column 5, line 43, please delete "diameter of not" and insert -- diameter not --.

In column 6, line 16, please delete "segmented" and insert -- segregated --.

In column 8, line 39, please delete "mode" and insert -- node --.

In column 8, line 67, please delete "represents" and insert -- resonant --

In column 9, line 38, please delete " $E_a \ge 10k_aT$ " and insert -- $E_a \ge 10k_BT$ --.

In column 9, line 42, please delete "noticeable. Coulomb" and insert -- noticeable Coulomb --.

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INVENTOR(S)

: March 21, 2006 : Berger

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 11, line 14, please delete "expitaxial" and insert -- epitaxial --.

In column 11, line 21, please delete "Alternatively" and insert -- Alternative --.

In column 13, line 17, please delete "peptide" and insert -- periodic --.

Signed and Sealed this

Eighth Day of August, 2006

JON W. DUDAS
Director of the United States Patent and Trademark Office